

## Historical Floods: Potomac River at Shepherdstown

Latitude: 39.435

Flood Stage: 15 ft

Period of Record: 1889-Present

Last Flood: 5/19/2011

Longitude: -77.801

Number of Floods: 121

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
6/1/1889	39.20	290,000	Major	****
5/13/1924	29.80	168,000	Major	****
3/7/1929	15.49	55,600	Minor	****
4/17/1929	25.53	126,000	Major	****
10/23/1929	19.83	82,400	Moderate	****
5/14/1932	24.75	119,000	Major	****
4/21/1933	19.10	77,800	Moderate	****
2/28/1936	19.21	78,400	Moderate	****
3/13/1936	16.52	61,700	Minor	****
3/19/1936	42.07	335,000	Major	****
3/22/1936	16.90	64,100	Minor	****
1/23/1937	16.16	60,000	Minor	****
4/27/1937	33.22	207,000	Major	****
10/29/1937	26.78	138,000	Major	****
2/5/1939	20.36	86,500	Moderate	****
4/18/1939	15.75	57,700	Minor	****
4/21/1940	17.75	69,400	Minor	****
6/1/1940	16.35	61,100	Minor	****
5/24/1942	18.97	77,100	Moderate	****
10/16/1942	32.68	201,000	Major	****
12/31/1942	21.40	93,500	Moderate	****

9/19/1945	19.31	79,000	Moderate	****
4/15/1948	18.49	73,800	Moderate	****
12/17/1948	16.90	64,100	Minor	****
6/19/1949	19.84	82,300	Moderate	****
12/5/1950	19.50	80,400	Moderate	****
12/9/1950	18.00	70,600	Moderate	****
3/31/1951	15.23	54,300	Minor	****
6/15/1951	19.60	81,000	Moderate	****
3/12/1952	17.81	69,400	Minor	****
4/29/1952	19.09	77,800	Moderate	****
11/23/1952	19.98	83,600	Moderate	****
3/3/1954	19.47	80,200	Moderate	****
10/17/1954	22.00	98,000	Major	****
3/23/1955	17.83	69,600	Minor	****
8/20/1955	25.26	124,000	Major	****
2/11/1957	15.28	54,700	Minor	****
5/7/1958	15.88	58,100	Minor	****
4/1/1960	17.33	66,600	Minor	****
4/5/1960	17.32	66,600	Minor	****
5/10/1960	20.35	86,200	Moderate	****
2/20/1961	18.57	74,300	Moderate	****

Drainage Area: 5936 sq mi

Gage Datum: 281 ft MSL

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2/27/1961	18.17	71,700	Moderate	****
3/23/1962	19.90	83,000	Moderate	****
3/21/1963	21.10	91,400	Moderate	****
3/6/1964	16.94	64,300	Minor	****
4/30/1964	18.30	72,600	Moderate	****
3/6/1965	18.07	71,100	Moderate	****
2/14/1966	16.23	60,100	Minor	****
3/8/1967	22.54	102,000	Major	****
3/18/1968	15.69	57,000	Minor	****
5/29/1968	15.27	54,700	Minor	****
4/3/1970	19.45	80,000	Moderate	****
12/24/1970	15.68	57,000	Minor	****
2/24/1971	17.86	69,800	Minor	****
2/27/1972	15.70	57,100	Minor	****
6/23/1972	31.58	187,000	Major	****
12/10/1972	17.02	64,800	Minor	****
12/23/1972	15.10	53,800	Minor	****
4/29/1973	17.06	65,000	Minor	****
12/28/1973	19.52	80,600	Moderate	****
3/21/1975	22.19	99,400	Major	****
9/27/1975	20.49	87,100	Moderate	****

10/19/1975	16.37	61,000	Minor	****
1/2/1976	18.33	72,700	Moderate	****
10/10/1976	25.31	124,000	Major	****
4/6/1977	16.57	62,100	Minor	****
3/16/1978	20.81	89,400	Moderate	****
3/27/1978	18.12	71,800	Moderate	****
5/17/1978	18.12	71,800	Moderate	****
1/25/1979	16.55	62,200	Minor	****
2/27/1979	23.60	110,000	Major	****
3/7/1979	15.54	56,200	Minor	****
3/18/1982	15.12	53,900	Minor	****
6/14/1982	16.64	62,700	Minor	****
4/26/1983	19.17	78,600	Moderate	****
2/15/1984	26.07	131,000	Major	****
3/30/1984	19.25	79,100	Moderate	****
4/6/1984	19.97	83,800	Moderate	****
2/13/1985	15.08	53,600	Minor	****
11/7/1985	31.44	187,000	Major	****
2/20/1986	15.30	54,900	Minor	****
3/16/1986	21.43	93,700	Moderate	****
4/5/1987	16.53	62,100	Minor	****

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4/18/1987	20.44	86,900	Moderate	****
5/7/1988	17.63	68,800	Minor	****
5/19/1988	18.19	72,300	Moderate	****
5/17/1989	16.20	60,100	Minor	****
1/18/1991	16.12	59,600	Minor	****
3/24/1991	16.11	59,600	Minor	****
3/5/1993	22.15	99,100	Major	****
3/25/1993	17.86	70,200	Minor	****
3/29/1993	15.64	56,800	Minor	****
4/2/1993	18.96	77,200	Moderate	****
4/18/1993	20.97	90,500	Moderate	****
11/29/1993	19.42	-9,999	Moderate	****
2/11/1994	16.30	-9,999	Minor	****
2/25/1994	16.20	-9,999	Minor	****
3/9/1994	16.80	-9,999	Minor	****
3/31/1994	18.00	-9,999	Moderate	****
1/21/1996	32.50	-9,999	Major	****
1/28/1996	15.00	-9,999	Minor	****
9/8/1996	29.00	-9,999	Major	****
12/3/1996	15.00	-9,999	Minor	****
1/9/1998	17.17	-9,999	Minor	****

2/6/1998	15.04	-9,999	Minor	****
2/19/1998	15.30	-9,999	Minor	****
3/22/1998	19.83	-9,999	Moderate	****
4/21/1998	15.65	-9,999	Minor	****
1/3/2003	16.57	-9,999	Minor	****
3/22/2003	16.73	-9,999	Minor	****
5/12/2003	15.50	-9,999	Minor	****
9/20/2003	19.83	-9,999	Moderate	****
12/12/2003	18.24	-9,999	Moderate	****
5/12/2008	-9999.00	-9,999	Missing	****
5/5/2009	-9999.00	-9,999	Missing	****
1/26/2010	18.20	-9,999	Moderate	****
3/15/2010	22.00	-9,999	Major	****
3/12/2011	19.50	-9,999	Moderate	****
4/17/2011	-9999.00	-9,999	Missing	****
5/19/2011	-9999.00	-9,999	Missing	****

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Date of Flood

Crest (ft)

Streamflow (cfs)

Category

Code

-9999 signifies missing data

### MARFC Codes

Code	Description
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(!!!)	Datum changed during this year.
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(1)	Backwater Effect.
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(2)	15.77 ft also occurred on 11/25/1950 but only counted as one flood.
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(3)	Estimated from current USGS rating table.
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(4)	Estimated height from the USGS.
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(5)	Gage height at a different site and/or datum
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(6)	Discharge affected by Regulation or Diversion
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(7)	Due to changes, prior floods were based on present flood stage. Therefore, flood data could possibly be incomplete.
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(8)	Gage is a staff gage and not the official USGS gage. Therefore, some floods may be missing from our study.
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(9)	Discharge effected by snow-melt, ice jam or debris jam break up
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(A)	Discharge affected to unknown degree by regulation or diversion.
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(B)	Month or day of occurrence is unknown or not exact.
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(C)	All or part of the record affected by urbanization, mining, agricultural changes, channelization, or other factors.
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(D)	Crest height adjusted to current datum.
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(E)	Estimated discharge.
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(F)	Only annual maximum peak available for this year.
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(O)	This flood occurred at a previous flood stage that is lower than the current flood stage. This is only a historical flood.
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**	Crest information looks reasonable despite potential problems. This data was used in our study.
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***	Crest information looks unreliable and incomplete and was not used in our flood frequency study.
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****	Gauge was discontinued in 2004. 2004 and later was not used in our study.
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none	No code
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